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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: **Brian C. Banister**

Patent No.: **7,180,956**

Issued: **February 20, 2007**

For: **METHOD AND APPARATUS FOR
APPLYING OVERLAID PERTURBATION
VECTORS FOR GRADIENT FEEDBACK
TRANSMIT ANTENNA ARRAY ADAPTATION**

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail with sufficient postage in an envelope addressed to: Commissioner for Patents, Attention: Certificate of Correction Branch, P.O. Box 1450, Alexandria, VA 22313-1450, on

September 10, 2007

(Date)

Barbara Kelly 9/10/07
Barbara S. Kelly

Commissioner for Patents
Attention: Certificate of Correction Branch
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Certificate
SEP 14 2007
of Correction

Dear Sir:

Enclosed for filing is a Certificate of Correction in duplicate in connection with the above-identified patent.

The error cited in the Certificate of Correction was incurred through the fault of the Patent Office. Therefore, Applicants respectfully submit that no fee is due.

Respectfully submitted,

JAQUEZ & ASSOCIATES

Dated: September 10, 2007

By: 

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SEP 14 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,180,956
APPLICATION NO.: 10/076,925
ISSUE DATE : February 20, 2007
INVENTOR(S) : Brian C. Banister

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 26, Claim 1, Line 1, "(a);" should read --(a) and applying the new weight vector perturbation vector for gradient feedback transmit antenna array adaptation in the communication system;--.

Column 27, Claim 15, Line 65, "(a)." should read --(a) and applying the new weight vector perturbation vector for gradient feedback transmit antenna array adaptation in the communication system.--.

Column 30, Claim 20, Line 34, "(a)." should read --(a) and applying the new weight vector perturbation vector for gradient feedback transmit antenna array adaptation in the communication system.--.

On front page of patent grant, in the Related U.S. Application Data, no. (63) reads "Continuation-in-part of application No. 09/632,081, filed on Aug. 2, 2000, application No. 10/076,925." should read
--Continuation-in-part of application No. 09/632,081, filed on Aug. 2, 2000.--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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